



**Front Catalytic Converter Heat Shield Rattles or Buzzes**

**SYMPTOM**

There is a rattle or buzz from the engine compartment that is most noticeable at idle or under light acceleration.

**PROBABLE CAUSE**

There is a radiator drain access hole in the front lower splash shield where water and road salt can enter and splash onto the warm-up TWC (front warm-up three way catalytic converter) heat shield. The heat shield may rust or corrode to a point where the shield is loose enough to rattle or buzz.

**CORRECTIVE ACTION**

Replace the warm-up TWC heat shield, and install a splash shield cover.

**PARTS INFORMATION**

Exhaust Chamber Gasket:  
 2007–09 P/N 18115-RCA-A01  
 2010–11 P/N 18115-R70-A01

Front Cover A:  
 2007–09 P/N 18120-RCA-A00  
 2010–11 P/N 18120-R70-A00

Front Cover B:  
 2007–09 P/N 18121-RCA-A00  
 2010–11 P/N 18121-R70-A00

Flange Bolt:  
 2007–09 (four required) P/N 90023-PR7-A01  
 2010–11 (two required) P/N 90003-RNA-A00

Exhaust Pipe Gasket (two required):  
 P/N 18212-SA7-003

Splash Shield Cover: P/N 74112-SJC-A00  
 Self-Locking Nut (four required): P/N 90212-RCA-A01  
 10 mm Nut (six required): P/N 90212-SA5-003  
 EGR Gasket Pipe A (2010–11): P/N 18716-R70-A01  
 EGR Gasket Pipe B (2010–11): P/N 18719-R70-A01  
 Flange Bolt (2010–11) (two required):  
 P/N 90023-PR7-A01  
 8 mm Flange Nut (2010–11)(two required):  
 P/N 94050-08050

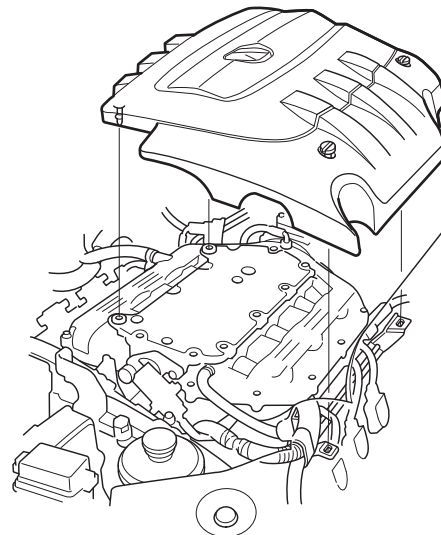
**WARRANTY CLAIM INFORMATION**

OP#	Description	FRT
3111S8	2007–09 Models - Replace the front warm-up three way catalytic converter heat shield, and install a splash shield cover.	1.1
3111S9	2010–11 Models - Replace the front warm-up three way catalytic converter heat shield, and install a splash shield cover.	1.2

Failed Part: P/N 18120-RCA-A00  
 Defect Code: 00801  
 Symptom Code: 04216  
 Skill Level: Repair Technician

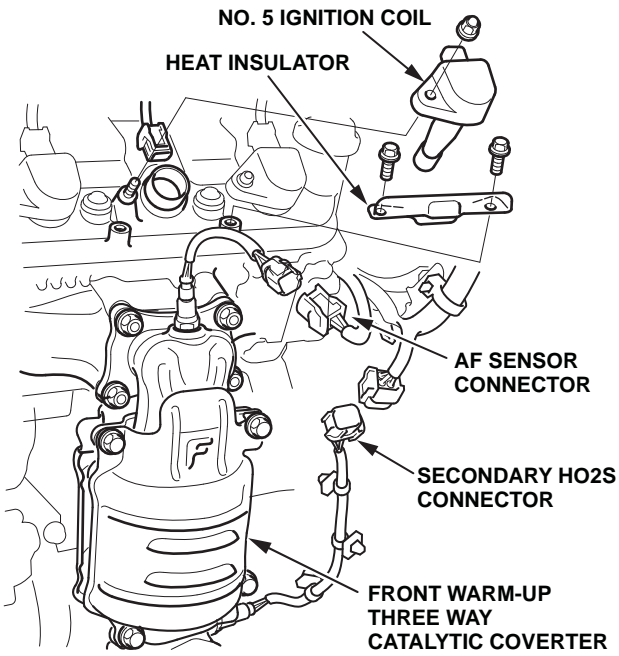
**REPAIR PROCEDURE**

1. Remove the engine cover.

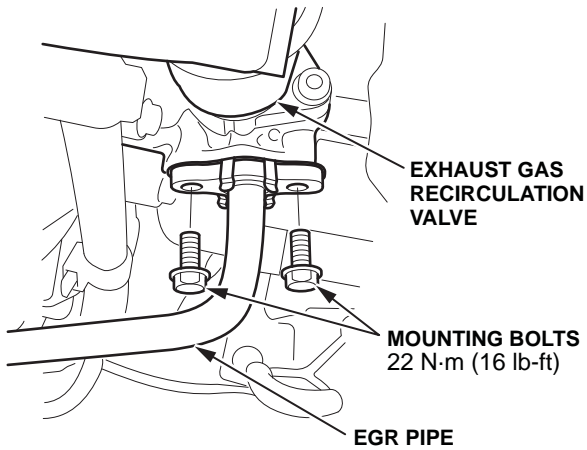


**CLIENT INFORMATION:** The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by “do-it-yourselfers,” and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Acura automobile dealer.

2. *2010–11 MDX only:* Remove the No. 5 ignition coil and the heat insulator.

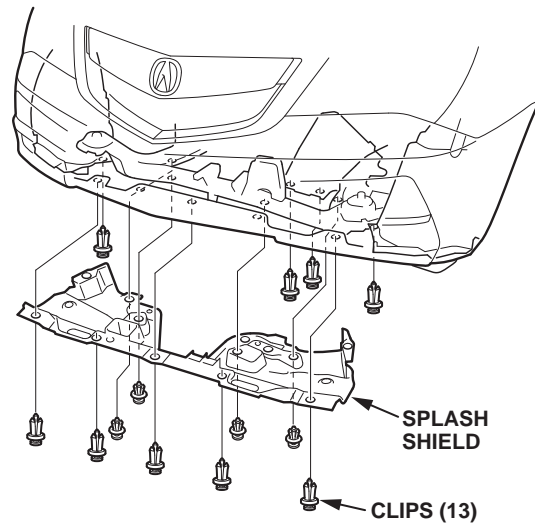


3. Disconnect the front (Bank 2) A/F Sensor 6P and secondary HO2S 4P connectors.
4. *2010–11 MDX only:* Remove the EGR pipe upper mounting bolts.

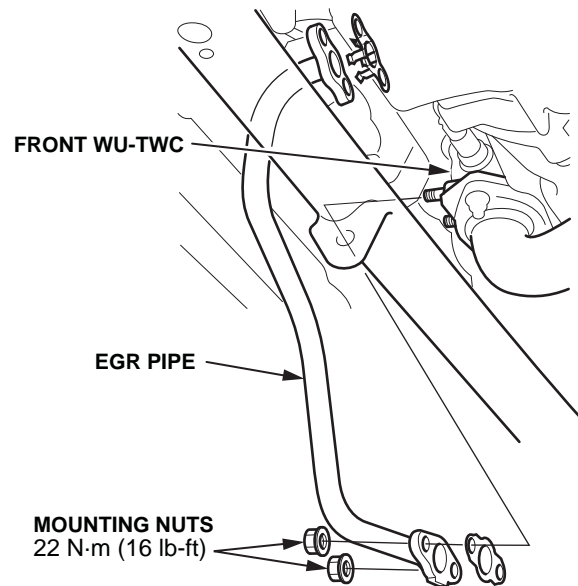


5. Place a piece of cardboard or some other barrier between the front of the warm-up TWC and the radiator to protect the radiator from damage.
6. Raise the vehicle.

7. Remove the lower front splash shield.



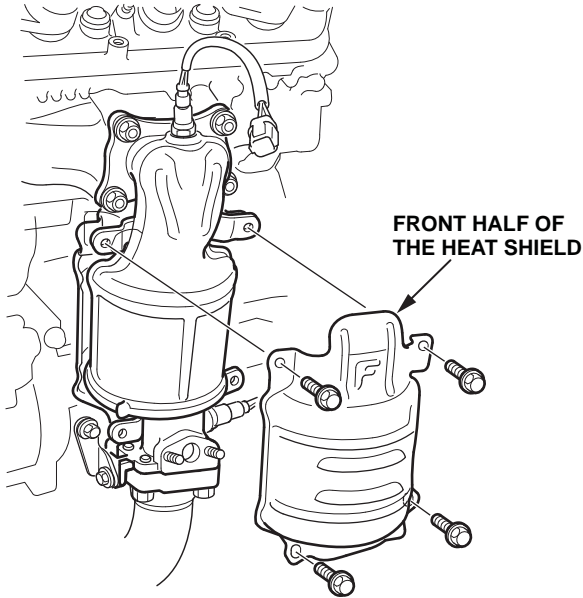
8. *2010–11 MDX only:* Remove the EGR pipe lower mounting nuts.



9. *2010–11 MDX only:* Remove the EGR pipe.

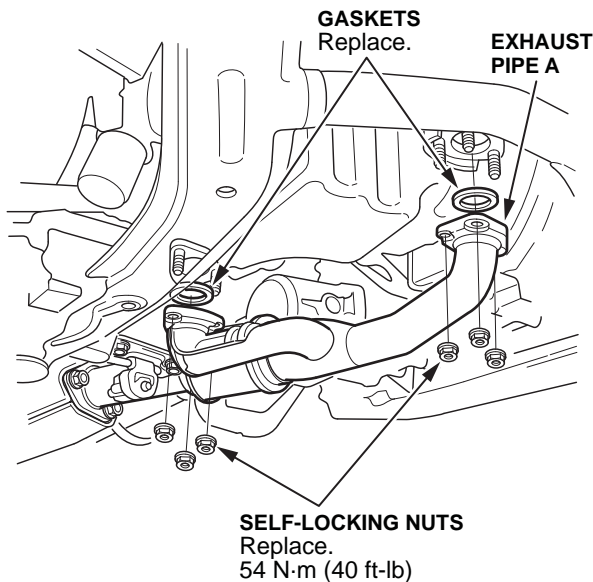
10. Remove the two lower heat shield bolts.

NOTE: If the bolts are severely corroded, remove them using best shop practices. **Do not use an air chisel** as this may cause internal damage to the warm-up TWC, the A/F sensor, or the secondary HO2S.

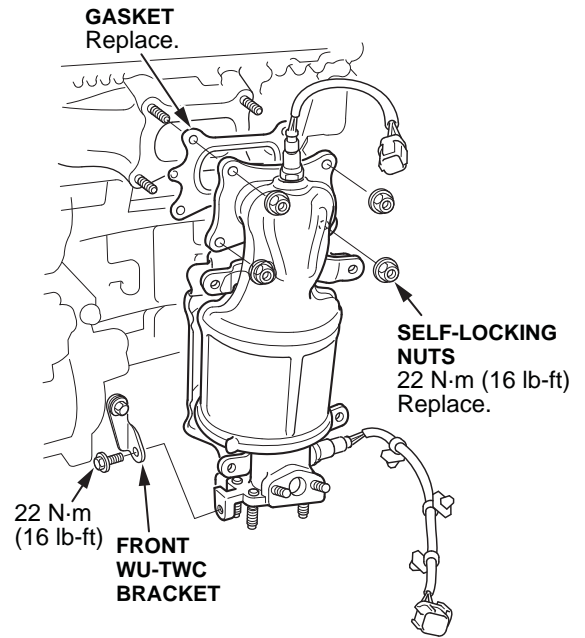


11. Remove the two upper heat shield bolts, and remove the front half of the heat shield.

12. Remove the nuts that attach the A-pipe to the front and rear warm-up TWCs and allow the pipe to hang from its hanger.

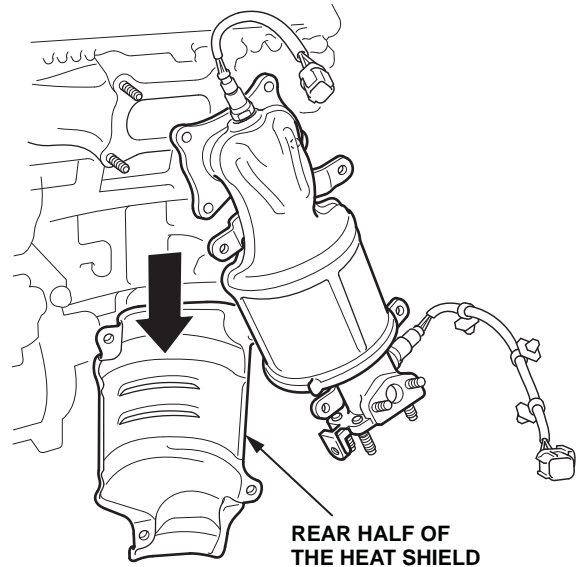


13. Remove the four nuts that attach the front warm-up TWC to the cylinder head.



14. Carefully slide the warm-up TWC off the studs and remove the rear half of the heat shield.

NOTE: Do not try to remove the warm-up TWC from the vehicle because there is not enough room.

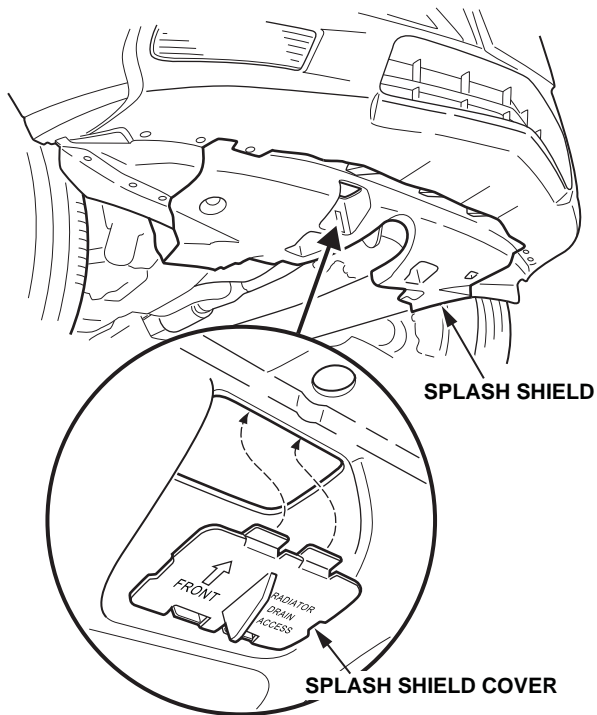


15. Install the new front and rear halves of the heat shield onto the warm-up TWC and leave the bolts finger tight.

NOTE: 2010–11 MDX only: The two bolts with a large washer go in the top holes.

16. Install the front warm-up TWC onto the cylinder head using a new gasket and new nuts. Tighten the nuts in a crisscross pattern in two or three steps to 31 N·m (23 lb-ft).

17. Torque the heat shield bolts to **12 N•m (8.7 lb-ft)**.
18. Install the A-pipe to the warm-up TWCs using new gaskets and nuts. Tighten the nuts to **54 N•m (40 lb-ft)**.
19. *2010–11 MDX only:* Install the EGR pipe using new gaskets. Torque the lower nuts to **22 N•m (16 lb-ft)**, and leave the upper bolts finger tight.
20. Reinstall the lower front splash shield.
21. Install the splash shield cover into the splash shield below the radiator drain.



22. Lower the vehicle.
23. *2010–11 MDX only:* Torque the EGR pipe upper mounting bolts to **22 N•m (16 lb-ft)**.
24. Remove the cardboard from between the front of the warm-up TWC and the radiator.
25. Reconnect the front (Bank 2) A/F sensor 6P and secondary HO2S 4P connectors.
26. *2010–11 MDX only:* Reinstall the No. 5 ignition coil and heat insulator. Torque the ignition coil mounting nut and heat insulator mounting nuts to **12 N•m (8.7 lb-ft)**.
27. Reinstall the engine cover.